

In the Claims:

Please cancel claim 1 without prejudice and amend claims 2 to 14 as follows:

Claim 1.(canceled)

2.(currently amended) An aluminum-free borosilicate glass with chemical resistance and having as defined in claim 1, characterized by a composition, in percent by weight, based on oxide content, of:

SiO ₂	67 - 75
B ₂ O ₃	9 - 18
Li ₂ O	0 - 1
Na ₂ O	0 - 3
K ₂ O	5 - 10
with Li ₂ O + Na ₂ O + K ₂ O	5.5 - 13.5
CaO	0 - 1
BaO	0 - 1
ZnO	0 - 1
TiO ₂	0 - 1
ZrO ₂	0.8 - 10.5
CeO ₂	0 - 0.4
F ⁻	0 - 0.6

and optionally at least one refining agent in a standard amount for refining.

3.(currently amended) ~~The aluminum-free~~ Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO ₂	68 - 74
B ₂ O ₃	9 - 13
Li ₂ O	0 - 1
Na ₂ O	0 - 3
K ₂ O	5 - 10
with Li ₂ O + Na ₂ O + K ₂ O	5.5 - 13.5
ZrO ₂	3 - 7
CeO ₂	0 - 0.4
F ⁻	0 - 0.6

and optionally at least one refining agent in a standard amount for refining.

4.(currently amended) ~~The aluminum-free~~ Aluminum-free borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO ₂	71 - 74
B ₂ O ₃	9 - 12
Li ₂ O	0 - 1
Na ₂ O	0 - 3
K ₂ O	7 - 10
with Li ₂ O + Na ₂ O + K ₂ O	7 - 13.5

ZrO₂ 4 - 7,

and optionally at least one refining agent in a standard amount for refining.

5.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO₂ 68 - 71

B₂O₃ 9[[8]] - 11

Li₂O 0 - 1

Na₂O 0 - 3

K₂O 8 - 10[[11]]

with Li₂O + Na₂O + K₂O 8 - 13.5

ZrO₂ 7.5 - 10.5

and optionally at least one refining agent in a standard amount for refining.

6.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO₂ 70 - 75

B₂O₃ 15 - 18

Li₂O 0 - 1

Na₂O 0 - 3

K₂O 5 - 8

with $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ 5.5 - 10.5

CaO 0 - 1

BaO 0 - 1

TiO_2 0 - 1

ZrO_2 0.8 - 5

and optionally at least one refining agent in a standard amount for refining.

7.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO_2 67 - 70

B_2O_3 15 - 18

Li_2O 0 - 1

Na_2O 0 - 3

K_2O 7 - 10

with $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ 7 - 12.5

ZnO 0 - 1

ZrO_2 2.5 - 6

and optionally at least one refining agent in a standard amount for refining.

8.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], characterized by a composition, in percent by weight, based on oxide content, of:

SiO ₂	74 – 75 [[78]]
B ₂ O ₃	12 - 15
Li ₂ O	0 - 1
Na ₂ O	0 - 3
K ₂ O	5 [[3]] - 8
with Li ₂ O + Na ₂ O + K ₂ O	5.5 [[3]] - 11
ZnO	0 - 1
ZrO ₂	2.5 - 7

and optionally at least one refining agent in a standard amount for refining.

9.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], and containing at least 0.2 percent by weight of said Li₂O.

10.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], and containing at least 0.3 percent by weight of said Na₂O.

11.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], and containing at least 0.5 percent by weight of said Na₂O.

12.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], and containing at least 0.2 percent by weight of said Li_2O and at least 0.3 percent by weight of said Na_2O .

13.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], free of As_2O_3 and Sb_2O_3 apart from inevitable impurities thereof.

14.(currently amended) The aluminum-free ~~Aluminum-free~~ borosilicate glass as defined in claim 2[[1]], having a coefficient of thermal expansion α (20°C ; 300°C) of between $3.0 \times 10^{-6}/\text{K}$ and $6 \times 10^{-6}/\text{K}$ and a working point V_A of between 990°C and 1290°C .

Claims 15 to 21.(canceled).